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**Contamination Avoidance at Sea Ports of Debarkation (CASPOD)  
Advanced Concept Technology Demonstration (ACTD)  
Implementation Directive**

**1. Purpose and Scope**

- a. The CASPOD ACTD's goal is to fulfill the Combatant Commander's requirements to mitigate the effects of a chemical or biological (CB) attack at Sea Ports of Debarkation (SPOD) and its associated capability to support war plans and associated time-phased force deployment data (TPFDD) execution while minimizing the impact on operational tempo (OPTEMPO).
  - b. This document provides guidance and defines roles and responsibilities for planning and executing the CASPOD ACTD. It broadly outlines the process for accomplishing the ACTD objectives and transitioning any residuals for long-term Service operations and maintenance (O&M) support or insertion into the formal acquisition process, as appropriate. Finally, it serves both as a memorandum of agreement (MOA) among the signatories and as formal Office of the Secretary of Defense (OSD) approval to execute the ACTD.
- 2. Overall Objectives.** CASPOD seeks to identify technologies, tactics, techniques and procedures (TTPs), and actions necessary to minimize degradation to force projection OPTEMPO and force flow as a consequence of a CB attack, especially during the vulnerable initial force deployment period of contingency operations at SPOD's worldwide. The specific objectives are to:
- a. Demonstrate operational concepts, and TTPs to sustain operations at SPODs
  - b. Identify and refine the force structure necessary to implement procedural and equipment requirements, and provide CB defense warfighting capabilities
  - c. Develop and Demonstrate resident/pre-positioned or rapidly transportable Chem-bio defense (CBD) equipment/materiel packages for SPODs
  - d. Identify strategic operational improvement/shortfalls for CASPOD contingencies
  - e. Develop planning tools, which allow a CINC's staff to prepare for and react to CB attacks at SPODs

**3. Approach and Schedule**

- a. The CASPOD ACTD will leverage recent SPOD related activities and the lessons learned from the Restoration of Operations (RestOps) ACTD through a management structure of integrated product teams (IPTs). Six IPTs (Operational, Technology, Strategic Analysis, Transition, Military Utility Assessment, and Technical Testing) will concentrate on specific focus areas. A Steering Committee (SC) will provide overall ACTD coordination between the Technical Manager (TM) and Operational (OM) when necessary. The SC will be composed of 07/08 level committee members, representing their respective principals who serve as members of the CASPOD Oversight Group. OSD (DUSD/AS&C) will chair a 09 level Oversight Group which will provide CASPOD management review oversight.
- b. The CASPOD ACTD will begin with baselining activities leveraging data collection, subject matter expertise, and background visits conducted during the FY 00/01 Sea Port Protection Analysis (SPPA) effort. The baselining activities will use this information and data to determine appropriate issues to examine in table top exercises, command post exercises, vignettes, simulations, or combinations and/or variations of these.
- c. Concurrent with the background visits, and using information gathered during those visits, technologies, TTPs, and SOPs will be identified and incorporated into a CINC-requested prototype rapidly deployable, transportable CB defense package as part of CB defense warfighting capability enhancement. The Technology IPT will also conduct streamlined technology reviews, downselect and/or conduct a technical assessments, leveraging the RestOps and SPPA literature searches, the results of baselining activities, and technology review process. Relevant CB defense technologies will be identified to the Technical Testing IPT for testing within the framework of a Joint Field Trial (JFT). JFT results will assist in recommending technologies to the user. Additionally, the Operational IPT will review, develop and

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evaluate new or improved TTPs and concepts of employment. Finally, the Military Utility Assessment IPT will develop methodology, measures of performance, assessment and data collection plans, and conduct limited utility assessments (LUA). In FY03, selected concepts of employment and technologies will undergo limited LUAs and technical system testing to identify appropriate warfighting capability enhancements, followed by user training on new concepts of employment and the associated new equipment. In late FY03, a preliminary demonstration will assess the military utility of technologies and their associated concepts of employment. The preliminary demonstration will also assess current doctrine on port operations as it applies to CB defense readiness capabilities. Based on this assessment, IPTs will incorporate changes to technologies and concepts of employment as necessary. In preparation for the final demonstration in FY04, impacted organizations would train on the new capabilities, proposed TTPs, and concepts of employment changes.

d. The final demonstration will measure the impact of the improved procedures and technologies on the SPOD's ability to resume near-normal operations following the CB attack. The ACTD demo will conclude in late FY04 with a formal Operations Manager – Technical Manager report to the Oversight Group. User training will continue during the residual support period following ACTD completion. This ACTD begins in FY02 and will conclude in late FY04, followed by two years of residual support, ending in FY06. See Figure 1.

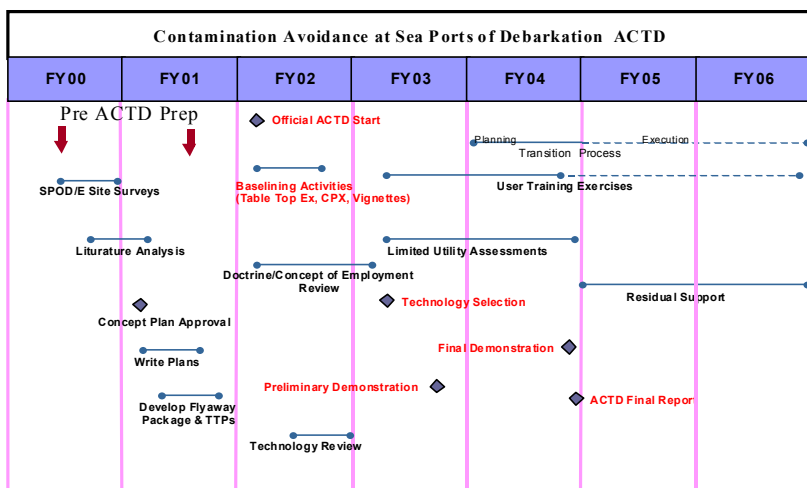


Figure 1

#### 4. Key Participants

a. The Oversight Group, chaired by the Deputy Under Secretary of Defense for Advanced Systems and Concepts (DUSD (AS&C)), will provide management oversight of the ACTD.

b. The Defense Threat Reduction Agency Chemical-Biological Defense (DTRA CB) Directorate is the DTRA office of primary responsibility (OPR) for the ACTD and provides the Technical Manager (TM). The Director, DTRA CB, is the ACTD Executing Agent (EA). As the EA, the DTRA CB Director is responsible for planning, coordinating, and directing of all developmental community activities related to the project, and providing fiscal oversight of the ACTD. The EA is also the chair of the Steering Committee (SC), responsible to the DUSD (AS&C) for daily administration of the program, and serves on the Oversight Group.

c. U.S. Central Command (CENTCOM) is the user/sponsor and provides representatives to the Oversight Group, the SC, and the Transition IPT. CENTCOM will also provide the ACTD Operational Manager (OM). At the conclusion of CASPOD, CENTCOM will determine the value/impact/level of utility of the capability under evaluation to the outcome of the conflict or military operation and a recommendation for future action (i.e., procurement, modification, or termination).

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d. U.S. Pacific Command (PACOM) and U.S. Transportation Command (TRANSACOM) are supporting commands and will participate as members of the SC and on both the Operational and Technology IPTs.

e. The CENTCOM Operational Manager (OM) conducts, plans, and directs user activities, allocates resources, identifies exercises for ACTD demonstrations, and provides the active force participants and equipment.

(1). The Operational Manager (OM) will select a chair for the Operational IPT and the Military Utility Assessment (MUA) IPT, which will both report to the OM.

(2). The OM will plan, direct, and coordinate user activities related to the ACTD; such as mission planning and exercise, after-action reporting and the assessment of military utility.

f. United States Third Army, ARCENT Component Command, will chair the Scenario WG.

g. United States Army (USA) is the ACTD Lead Service and co-chairs the Transition IPT with the Joint Service Integration Group (JSIG). The Transition IPT, in cooperation with the TM and the OM, will prepare the transition plan under the oversight of the SC. The Transition IPT will oversee two working groups, the Technology Transition WG, chaired by the Joint Service Materiel Group (JSMG), and the TTP Transition WG, co-chaired by the USA Chemical School and a CENTCOM component. The lead service (USA) supports the TM/XM in transition planning and new equipment training.

h. The Technical Manager (TM) will supervise an Edgewood Chemical and Biological Center (ECBC) chair of the Technology IPT. The TM plans and directs all development community activities, will manage all ACTD funding provided by DTRA and OSD, and will monitor and coordinate the funding and expenditures of all other T&E participants.

i. The TM will also be the Transition Manager (XM). The Transition IPT is responsible for the up-front planning necessary to ensure that selected technologies can transition from the ACTD to the normal acquisition process and to Service Program Objective Memorandums for O&M support. CB defense technology residuals that are not in a formal acquisition program either will be transitioned into the Joint Service process for CBD items or phased out when the acquisition system provides an equivalent or better capability. Non-CBD residuals will transition to the appropriate user.

j. The West Desert Test Center (WDTC), Dugway Proving Ground (DPG) will be the Lead Technical Tester in direct support of the TM and will chair the Technical Test IPT. WDTC, (DPG) plans and conducts all technical testing associated with the ACTD, to include the Joint Field Trials, and assists with technical expertise in the conduct of planned demonstrations, testing and assessments.

k. ECBC, Soldier Biological Chemical Command (SBCCOM), will chair the Technology IPT. The chair is primarily responsible for ensuring the Technology IPT identifies and recommends technologies for inclusion in the ACTD from all the CBD commodity areas, including medical, based on SPOD needs as established by the Background visit(s), user input, and the Baseline activities.

l. The U.S. Army Test and Evaluation Command (ATEC) is the Lead Military Utility Assessor in direct support of the OM and chairs the Military Utility Assessment IPT. ATEC plans and conducts all military utility assessments, and exercises and, in conjunction with the OM/TM, post-demonstration or post-exercise analysis or after-action review associated with the ACTD.

**5. Operational Parameters.** The focus of the ACTD's first year and a half will be baselining activities, which will include Table Top exercises, Command Post exercises, vignettes, simulations, or combinations and/or variations of these. Baseline data will be essential to identify promising operational concepts and technologies to consider for employment in the ACTD. Further, the baseline data, combined with user input, will form the basis for the development of measures of effectiveness and performance.

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**6. Potential Follow-on Capability.** The desired capability-based outcome is a combination of improved TTPs, concepts of employment associated with both new and mature technologies that measurably improve the SPOD's ability to mitigate the effects of a chemical or biological attack and the capability to rapidly recover and reestablish support to operational war plans, with minimal degradation. Among other things, achieving this desired capability will include identifying and addressing personnel and specialty training requirements necessary for enhanced readiness at SPOD.

**7. Funding.** Funding for this ACTD will be a combination of DTRA (Joint NBC Defense) and OSD funds. See Figure 2

**8. Management Plan.** Detailed information on the management of this ACTD will be published the Management Plan. The Executing Agent will staff and submit a draft Management Plan to DUSD (AS&C) for review by the Oversight Group no later than 90 days from the approval date of this directive.

**APPROVALS:**

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